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# AGRICULTURAL LIBRARIES INFORMATION NOTES

National  
Agricultural  
Library  
  
U.S. Department of  
Agriculture  
Beltsville, Md. 20705

ISSN: 0095-2699  
Volume 7, Number 12  
December 1981

## POSTHARVEST INSTITUTE FOR PERISHABLES INFORMATION CENTER

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The Information Center, as a component of the Postharvest Institute for Perishables (PIP) at the College of Agriculture, University of Idaho, Moscow, Idaho 83843 was funded by a grant from the United States Agency for International Development (USAID) in October, 1980. A haphazard collection of materials began to coalesce almost immediately. No formal program was begun, however, until an information specialist was hired. Since July 1981, the program has been set in place and service begun.

The Center is modeled on the Postharvest Documentation Service of the Kansas State University (KSU) Food and Feed Grain Institute. Our goals, clientele and even many of the daily operations are similar in design. Impetus for both programs was the National Academy of Sciences study, *Postharvest Food Losses in Developing Countries*, and its accompanying bibliography. When the bibliography was completed in 1978, it became apparent that some system of distributing those and related documents was needed. The two centers are the response to that need. The difference between the two centers is the commodity focus: the KSU center is concerned only with the cereal grains and dry legumes, while the Center in Idaho concentrates on roots and tubers, fruits, vegetables, nuts, and spices.

## Goals and Objectives

The primary goal of the PIP program is to reduce food losses of perishable commodities in developing nations. The specific objectives by which the Information Center will try to reach this goal are:

- Service: To provide information related to harvesting, and marketing of perishable products to farmers, researchers, and other agriculturalists.
- Cooperation: To develop projects with agencies world-wide which are involved in agricultural information dissemination activities to increase the quality and availability of information in developing nations.
- Evaluation: To document the effect the Center's activities have on the reduction of postharvest food losses, and to develop evaluation methodology applicable to other information dissemination activities.

Greatest emphasis will be on delivery of services.

Activities are designed for agriculturalists in developing countries where perishable food losses are estimated to vary by crop between 20% and 80%. Materials will be available in English, French, and Spanish to clients located in any country served by a USAID Mission. All information services are offered without charge to requestors in developing countries. Requestors from developed areas will be charged actual costs for select services, unless they have contributed materials or other services.

#### Services

PIPIC is a specialized library and will offer standard services: 1) listings of materials received; 2) loan of items; and 3) reference/referral services. Because clients are *in absentia* the forms of service may seem uncommon.

#### Finding Aid

The traditional card catalog is replaced by three different tools. One is a series of subject bibliographies such as *Roots and Tubers: A Postharvest Bibliography*, with 256 citations issued in 1981. A second tool is a bimonthly newsletter which is primarily a new acquisitions list. The third tool is a subject bibliography generated specifically for the client. All citations of the entire PIP holdings are searchable online using IBM's STAIRS. Whenever this resource is inadequate, a search of databases such as AGRICOLA, Commonwealth Agricultural Bureaux, or *Tropical Abstracts* will be made. Searches are sent to the requestor and help is given in locating the specific documents cited.

#### Materials Loan

Long distances and unpredictable mail deliveries make circulation of materials unwieldy. As a result all materials in the PIP collection will be filmed and sent as 24x reduction microfiche or as plain paper photocopies. No document need be returned. PIPIC will try to purchase or borrow any item which is not in the collection at the time of request--so long as it relates to our areas of interest.

#### Reference and Referral Services

While most service will be by announcement of materials and the provision of them, the PIPIC will attempt to answer questions related to our subject. This means supplying statistics or facts, or names of individuals. An extensive listing of experts in postharvest areas is maintained online to help with these referrals. (See Figure 1).

#### Internal Policies

The one answer to containing costs--especially personnel costs which are such a major part of a library operation--and at the same time giving quick service is by extensive utilization of modern technology: word processing equipment, computerized statistical analysis, and miniaturization. The PIPIC has direct, hard-wired access to the University of Idaho's IBM 4341 computer which allows direct online input editing. Not only is the bibliographic file online, but mailing lists, letters, drafts of manuscripts, and data requiring statistical analysis are all online nearly replacing the office typewriter. Publications are acquired through use of various online literature searches, including a profile from the National Agricultural Library's Current Awareness Literature Service (CALIS); by exchange with



DOCUMENT NUMBER = 00973		DATA BASE = XPRT
NAME	CONSULTANT, JOHN Q.	
SOCSEC	333-55-8999.	
TITLE	PROFESSOR.	
EMPLOYER	NORTHERN UNIVERSITY. AGRICULTURAL ENGINEERING DEPARTMENT.	
WORKMAIL	NORTHERN UNIV, BOX 1188, CENTERTOWN, IA 34469.	
HOMEEMAIL	1011 MAIN STREET, CENTERTOWN, IA 34469.	
WORKPHONE	303-785-9088.	
HOMEPHONE	303-786-7833.	
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HCPD	NO.	
EDUCATION	BS, 1953, AGRICULTURAL ENGINEERING, UNIV OF IOWA.	
	MS, 1959, AGRICULTURAL ENGINEERING, UNIV OF ILLINOIS.	
	PHD, 1964, CIVIL ENGINEERING, CLEMSON UNIV.	
SPECINT	195 P. 194. 196. 198. 202.	
COMMODITY	400 P. 401. 420. 600.	
FORMERJOB	EXTENSION AGRICULTURAL ENGINEER. UNIV OF IOWA.	
	IOWA CITY, IOWA. 1953-59. \$10,000.	
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	GREENVILLE, ND. \$18,000.	
FORGNEXP	1960-64. KENYA. AGRICULTURAL ENGINEERING SPECIALIST.	
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LANGUAGE	700-111. 710-242.	
AVAILTERM	SHORT. MEDIUM.	
AVAILDATE	810401.	

Figure 1

individuals and organizations; and from everyone willing to provide documents. At this time, we receive 300-450 documents monthly, primarily through donations from affiliates.

## Indexing

Each document is indexed and abstracted, if no author-written abstract exists. Using the IBM STAIRS system, information can be retrieved from all indexed fields (author, title, language, abstract, etc.) This flexibility allows the use of free-text indexing rather than a tightly controlled vocabulary. Another factor in the decision to utilize free-text indexing was that no single existing thesaurus adequately covers postharvest perishables.

After the intellectual activity of indexing, the citation is input online using an IBM 3278 VDU terminal. Nine to twelve documents are entered per hour by a paraprofessional who also does some indexing. A second person always edits the citation online before loading into the STAIRS program. Input with existing staff (1 FTE professional and .5 FTE paraprofessional) is about 200 documents per month. Even so, the rate at which documents are received exceeds the rate of input.

## Coordination

Several organizations world-wide provide information services to some or all of PIP's potential clients. These range from very large international groups such as the Tropical Products Institute of the British Overseas Ministry, to regional agencies such as the Association of South East Asian Nations (ASEAN) and to libraries serving the agriculturalists within a single country or province. An increasing amount of information is becoming available to individuals. For example, a Philippino potato researcher could use resources from all the agencies mentioned, plus the resources of the University of the Philippines at Los Banos and the Lima, Peru International Potato Center. Two

concerns common to all of the institutions are 1) to make the researchers and decision-makers aware of the available services, and 2) to make the limited resources of the information centers extend far enough to provide the information needed. These concerns have not been addressed seriously yet by PIPIC. As the PIPIC becomes a stronger resource, it will be able to supply some materials to information centers that they normally would have had to purchase.

The mechanism for increased networking is the Group for Assistance in Perishable Products (GAPP) in its formative stages this autumn. It will form a cooperative network of information centers with large international donor organizations and regional or local groups in developing nations. Traditional interlibrary loan and interpersonal cooperation will be initial activities, but plans for international telecommunications links are being developed. Within three years, the PIP database may be searched by any of the GAPP members and documents can be transferred electronically world-wide. A survey of the extent and form of services to be provided to developing nations by the various international organizations is being developed.

Another cooperative activity under consideration is workshops for potential clients in developing nations which focus on agricultural information resources. Ideally this would be a cooperative venture between a number of the international information centers. The PIPIC is now working with the Education Committee of the International Association of Agricultural Librarians and Documentalists (IAALD) to develop concrete plans.

## Evaluation

Since the only justification for its existence is the provision of a convenient, effective service, it is essential that a system for getting feedback from users (and if possible, non-users) be developed and continuing evaluation put in place. Though a formal plan is being designed, only one element has any concrete form at the moment. A questionnaire to evaluate immediate user satisfaction with services is distributed with every bibliography or document set mailed. The responses to this questionnaire and all other forms of evaluation will be analyzed using either the Statistical Analysis System (SAS) or the Statistical Package in the Social Sciences (SPSS) software.

## Conclusion

The University of Idaho now houses the Postharvest Institute for Perishables. Through the PIP Information Center, decision-makers in developing nations may obtain, free-of-charge, printed bibliographies and computer-generated subject searches dealing with all postharvest aspects of root and tuber crops, vegetables, fruits, nuts or spices. The documents listed in those tools may be obtained through the Center.

This Information Center is a practical example of how modern technology and international cooperation are being combined behind the scenes to provide the means for people in developing nations to make their own decisions and better feed their own people.







## DIRECTOR'S COLUMN

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Early in October I spent a busy week in Japan, responding to an invitation from the Japan Association of Agricultural Librarians and Documentalists (JAALD) to participate in the 15th anniversary ceremonies of that Association. I spent most of my time at Tsukuba Science City, about 60 km northeast of Tokyo. This is a unique, and spectacular bringing together of the experimental research institutes of the Ministry of Agriculture, Forestry, and Fisheries. Most were formerly scattered in the Tokyo metropolitan area. The Center has been created to accelerate the development of technological innovations. One cannot help but make comparisons with the Beltsville complex, but Tsukuba is something more. It includes a major national university, which is organized around twenty-six research institutes, including one for library and information science. The central campus is dominated by a magnificent new library building with six square miles of floor space, 1300 seats, and a start-up collection of a million volumes.

Each of the Institutes of Tsukuba have extensive branch-type libraries. The reading rooms are large and attractive with the *Bibliography of Agriculture* right up front in the first stack range. I noted in particular the use of compact storage in the reading rooms.

Japanese library practice is so similar to the Anglo-American system we know that I felt that if I knew the language, I could step right in and take over a service desk. One even finds that all important Fuji-xerox machine in all libraries. Most Japanese librarians understand English. Many

speaking it well. My Japanese was, of course, limited to a few words. It is interesting, however, how quickly one learns to recognize the Chinese/Japanese characters, especially those for library terms. Spoken Japanese is fairly easy to learn. There are no strange sounds, each letter is pronounced and the accent is not unusual.

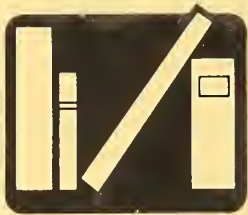
The Japan Association of Agricultural Librarians and Documentalists (JAALD) is a very active organization made up of 156 institutions. It carries out educational and training programs for library personnel and users; providing local libraries with reference and photocopy services. It publishes its *Bulletin*, and distributes the *Japanese Agricultural Sciences Index (JASI)* to its members. In cooperation with the Executive Office of the Agricultural, Forestry, and Fisheries Research Council, it has compiled a thesaurus for indexing Japanese agricultural literature. An important additional task has been the input of Japanese data for AGRIS. The 15th anniversary ceremony honored the founders of JAALD. I brought greetings from the United States, especially from Foster Mohrhardt, who has played an important role in the organization. I spoke on the opportunities for bilateral cooperation in agricultural library/information services.

This was my second visit to Japan. I took away a number of impressions. One cannot help but be impressed by the orderliness of the great metropolis, Tokyo. Masses of people and automobiles move about with an awe inspiring politeness. A car horn is rarely heard and then only a polite beep. People bow to each other frequently. Department stores offer an unbelievable quality of personal service. One encounters everywhere the Japanese concern for the beauty of flowers and other growing things. And although this is one of the world's busiest cities, one sees much of the real Japan. I recall vividly the sight of an immaculate grey haired, kimonoed elderly lady seated on a straw mat in the center of a busy subway platform quietly waiting for her train.

-Richard A. Farley

-Acting Director

-National Agricultural Library



## NEW BIBLIOGRAPHIES

*A Bibliography and Keyword Index of the Biting Midges (Diptera: Ceratopogonidae) [1758-1978].* William R. Atchley, Willis W. Wirth, Charles T. Gaskins, and Sandra L. Strauss. (Washington, D.C. U.S. Department of Agriculture, Science and Education Administration). August 1981. 544 p. 3,527 citations. (Bibliographies and Literature of Agriculture, No. 13). Order from Office of Government and Public Affairs, U.S. Department of Agriculture, Washington, D.C. 20250. Free. (NAL call no.: aZ5076.A1U56).

*Great Plains Irrigation, 1975-80, A Literature Review.* Curtis A. Everson and Rodney L. Sharp. Washington, D.C. U.S. Department of Agriculture, Economic Research Service, 1981. 69 p. (Bibliographies and Literature of Agriculture, No. 22). Order from Office of Government and Public Affairs, U.S. Department of Agriculture, Washington, D.C. 20250. Free. (NAL call no.: aZ5076.A1U56).

*Knigu--v Pomoshch' Spetsialistu Sel'skokhoziaistvennogo Proizvodstva: Ukazatel' Literatury za 1979 god* (Book to Aid the Agricultural Production Specialist: Literature Guide for 1979). G.A. Makarenko and V.G. Grigor'eva. Moskva, "Kolos". 1981. 135 p. Approx. 420 annotated citations. Price unavailable.

*Mashiny i Ekonomika (Vysokoproizvoditel'noe Ispol'zovanie Sel'skokhoziaistvennoi Tekhniki): Rekomendatel'nyi Ukazatel' Literatury [1977-1980]* (Machines and Economy (Productive Use of Agricultural Technology): Literature Guide [1977-1980]). G.A. Makarenko and T.I. Sheinina. Moskva, "Kolos". 1981. 40 p. Approx. 111 citations. Price unavailable.

*Novoe v Sel'skokhoziaistvennoi Nauke i Praktike: Annotirovannyi Ukazatel' Literatury za 1979 god* (News in Agricultural Science and Practice: Annotated Literature Guide for 1979). G.A. Makarenko and V.G. Grigor'eva. Moskva, "Kolos". 1981. 142 p. Approx. 556 citations. Price unavailable. (NAL call no.: Z5073.N6).

*Primare und sekundare Jugendphase bei Obstgehölzen: Eine Bibliographie (1960-1979)* (Primary and Secondary Juvenility of Woody Fruit Species: A Bibliography (1960-1979)). Annemarie Karnatz and Peter Simon. (Aktuelle Literaturinformationen aus dem Obstbau, No. 100). Berlin (West Germany), Universitätsbibliothek der Technischen Universität. 1980. 40 p. Approx. 310 citations. Price unavailable. (NAL call no.: Z5996.F8A4).

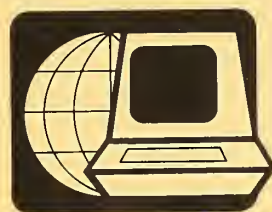
*A Survey of Recent U.S. Developments in International Agricultural Trade Models.* Robert L. Thompson. (Washington, D.C.) Economic Research Service, U.S. Department of Agriculture, 1981. 276 citations. 74 p. (Bibliographies and Literature of Agriculture No. 21). Free. Available from Current Information & Popular Publications, Economic Research Service, USDA, 440 GH Building, 500 12th Street, S.W., Washington, D.C. 20250. (NAL call no.: aZ5076.A1U56).

*Tekhnologi Makanan de Negara-Negara Membangun: Sebuah Bibliografi [1975-1980]* (Food Technology in Developing Countries: A Bibliography [1975-1980]). Serdang, Selagor, Malaysia, Perpustakaan, Universiti Pertanian Malaysia. 67 p. 756 citations. Price unavailable. (NAL call no.: Z7164.F7T4).

*Tunas, Oceanography and Meteorology of the Pacific: An Annotated Bibliography, 1950-78.* Paul N. Sund. (United States National Marine Fisheries Service. NOAA Technical Report NMFS SSRF-744). [Seattle], National Oceanic and Atmospheric Administration, National Marine Fisheries Service. March 1981. 123 p. Approx. 235 citations. Order from D822, User Ser. Br., Env. Science Inf. Ctr., NOAA, Rockville, MD. 20852. Free. (NAL call no.: SH1.U5).



The following titles were published as a series of bibliographies prepared by the Council of Planning Librarians. Order from: CPL Bibliographies, 1313 East 60th Street, Chicago, Illinois 60637. (NAL call no. for series: Z690.A1C62).



**AGRICOLA**

*Demographic and Economic Data Sources: An Annotated Bibliography and Source Guide.* Richard E. Klosterman. (CPL Bibliography No. 32). July 1980. 46 p. Price: \$9.00

*Earth-Sheltered Housing: An Annotated Bibliography and Directory.* Pauline A. Keehn. (CPL Bibliography No. 43). January 1981. 61 p. Approx. 225 citations. Price: \$11.00

*Land Use and Planning Implications of Wood Energy Development: A Bibliography.* Edward L. Goldstein and Meir Gross. (CPL Bibliography No. 42). January 1981. 27 p. Approx. 250 citations. Price: \$6.00

*Power Plan Siting in the American Southwest: An Annotated Bibliography.* Michael S. Hamilton and Ruth J. Townsend. (CPL Bibliography No. 52). April 1981. 58 p. Approx. 2,000 citations. Price: \$11.00.

*Remote Sensing and Geoinformation Systems as Related to the Regional Planning of HEALTH Services: A Bibliography.* L.D. Miller, C.L. Walthall, and M.L. Mathews. (CPL Bibliography No. 51). April 1981. 76 p. Approx. 750 citations. Price: \$10.00.

*Solar Access and Land Use Planning: A Bibliography.* Charles Vidich. (CPL Bibliography No. 47). February 1981. 8 p. Approx. 120 citations. Price: \$4.00.

-Compiled by Tatiana B. Tontarski, Reference Section, NAL  
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## AGRICOLA USERS MEETING

The first Users Meeting was held October 30, 1981, at the American Society of Information Science Conference, in Washington, D.C.

The program included a review of the AGRICOLA system and a summary of plans for 1982. Included in these plans are the changes being incorporated into AGRICOLA and a report on work underway to design a new alternate format for tape distribution. This alternate format would not replace the current MARC communications format but serve users who prefer a simpler record structure for computer processing. Four discussion groups were organized for the attendees in which NAL staff could discuss AGRICOLA training, searching, reference work, tape format and input practices in an informal setting.

Plans for future users meetings will be announced in this column as they develop.

-Joseph Judy, Chief  
Information Systems Division, NAL  
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## AGRICOLA, CRIS, CALS WORKSHOPS SCHEDULED FOR 1982

March 1-5: University of Florida  
Gainesville, Florida

April 12-16: South Agricultural Bldg.  
Washington, D.C.

June 14-18: USDA Forest Service/  
Colorado State University  
Ft. Collins, CO

August 9-13: Cornell University  
Ithaca, New York

-David Hoyt, Educational Resources  
Staff, NAL, (301) 344-3937

## NAL RECEIVES A RARE PUBLICATION

A very rare four volume set *Album of Japanese Flowering Cherry Tree* drawings was recently donated to the National Agricultural Library by Kanematsu Funatsu. These drawings were compiled by Funatsu's grandfather, Seisaku Funatsu, to depict the original cherry selections planted in the 1800's in the Kohoku area of the Arakawa River.

The following translation of the foreword to these photographs explains their value:

### "KOHOKU O-FU SHO (foreword to Kohoku Sakura Pictorials)

Beautiful drawings compiled as albums here are the results of Mr. Seisaku Kohoku-tei (Kohoku Embankment). He has commissioned a painter to make pictorial recordings of SAKURA flowers in this area over the years which finally resulted into these beautiful drawings. Kohoku sakura are some of the most outstanding SAKURA of Japan.

Gentle Mr. Funatsu loved SAKURA and actively sponsored and protected those SAKURA while making them widely known not only throughout Japan but overseas as well. Seeing these albums attest to his efforts. We are totally indebted to him for his ceaseless support of Kohoku Sakura and greatest appreciation is expressed here."

During recent research travel in Japan, Roland Jefferson, botanist with the U.S. National Arboretum contacted Kanematsu Funatsu and was instrumental in expediting the donation of this rare gift.

*Left to Right: H. Marc Cathey, Director, U.S. National Arboretum, Richard A. Farley, Acting Director, National Agricultural Library, and Roland Jefferson, botanist, examine one of the rare albums.*





## QUICK BIBLIOGRAPHY SERIES

The bibliographies in this series are primarily computerized online or batch bibliographies emanating from searches performed by the NAL Reference Staff in response to customer requests.

Searches are selected for inclusion based on the currency of the topic, interest among clientele, relative length and probable value to a larger audience. All titles in this series will be listed for six months. Revisions or updates will be renumbered and reannounced. Only one copy of a title will be sent; however, requestors may make copies. To request a copy of a Quick Bibliography send the title, series number, and a return addressed label to:

Reference Branch, Room 302  
National Agricultural Library  
Beltsville, MD 20705

NAL--BIBL.--81-12. *Louisiana Sugarcane Industry, 1969-1981*. 145 citations from AGRICOLA. Searched by Jayne MacLean. June 1981.

NAL--BIBL.--81-13. *Sugarcane Production, Jan. 1980-May 1981*. 179 citations from AGRICOLA. Searched by Jayne T. MacLean. May 1981.

NAL--BIBL.--81-14. *The Mediterranean Fruit Fly, Ceratitis Capitata, 1970-June 1981*. 285 citations from AGRICOLA. Searched by Maria Pisa and Henry G. Gilbert. June 1981.

NAL--BIBL.--81-15. *Urban Forestry, October 1979-March 1981*. 140 citations from AGRICOLA. Searched by Jayne T. MacLean. June 1981.

NAL--BIBL.--81-16. *Infrared Reflectance Analysis of Agricultural Products, 1970-June 1981*. 58 citations from AGRICOLA. Searched by Jayne R. MacLean. July 1981.

NAL--BIBL.--81-17. *Tissue Culture - Its Practical Applications, 1970-1981*. 116 citations from AGRICOLA. Searched by Henry Gilbert. July 1981.

NAL--BIBL.--81-18. *Rodent Control, 1970-1980*. 128 citations from AGRICOLA. Searched by Henry Gilbert. July 1981.

NAL--BIBL.--81-19. *Interaction of Nitrogen with Cowpeas 1975-May 1981*. 23 citations from AGRICOLA. Searched by William Longenecker. July 1981.


NAL--BIBL.--81-20. *Winged Beans*. 107 citations from AGRICOLA. Searched by Charles Bebee. July 1981.

NAL--BIBL.--81-21. *Yogurt - Production and Consumer Acceptance*. 193 citations from AGRICOLA. Searched by Jayne MacLean. August 1981.

NAL--BIBL.--81-22. *Potato Spindle Tuber Viroid, 1979-Sept. 1981*. 37 citations from AGRICOLA. Searched by William Longenecker. September 1981.

NAL--BIBL.--81-23. *Minimum/Zero/Conservation Tillage, November 1978-July 1981*. 195 citations from AGRICOLA. Searched by Jayne MacLean. October 1981. Supplement to 80-10.

NAL--BIBL.--81-24. *Grain Elevator Safety, 1970-October 1981*. 25 citations from AGRICOLA. Searched by Maria Pisa. October 1981.

NAL--BIBL.--81-26. *Akabane, 1970-1981*. 49 citations from AGRICOLA. Searched by S. Cheney. October 1981. 

### Sterling B. Hendricks Lecture

*A Choice For Mankind: Adequate Food Protection With Equitable Distribution Or Hunger and Poverty For Millions*

By  
Norman E. Borlaug

First Sterling B. Hendricks Lecture Presented on August 24, 1981 at the American Chemical Society Meeting in New York City. 29 p. To request a copy send a self-addressed label to Educational Resources Staff, National Agricultural Library, Beltsville, MD 20705.





## NEW PUBLICATIONS OF NOTE

*The African Newspaper Index (ANI)* is a new reference source which identifies articles that appear in major newspapers in four African countries. Vol. I (Jan.-June 1981) will be available for purchase in October 1981. Vol. II (July-Dec. 1981) is scheduled to be published in March 1982. ANI is the first reference source to index African newspapers and is designed to make information that was previously hard to find easily accessible by subject and geographical area. Copies may be obtained by sending \$17.25 (tax and postage included) to:

Current Documents and Information  
PO Box 1134  
Langley Park, Maryland 20787

*The Art of Community Development, A Wisconsin Experience.* Dennis Domach. Madison, University of Wisconsin, 1981. (I 3135) \$3.00. Order from The Agricultural Bulletin Building, 1535 Observatory Drive, Madison, WI 53706.

*Cotton Boll Weevil: An Evaluation of USDA (U.S. Department of Agriculture) Programs.* Committee on Cotton Insect Management, Board on Agriculture and Renewable Resources, Commission on Natural Resources, National Research Council. (Washington, D.C., National Academy Press, 1981). 146 p. Availability from National Technical Information Service pending.

*Ethanol Fuels: Use, Production, and Economics.* Steven J. Winston. 458 p. Solar Energy Information Data Bank, Solar Energy Research Institute, U.S. Department of Energy, 1981. \$9.50. Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.


*Fermentation Guide for Common Grains: A Step-by-Step Procedure for Small-Scale Ethanol Fuel Production.* Solar Energy Information Data Bank, Solar Energy Research Institute, U.S. Department of Energy, 1981. \$3.00. Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402; or The National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. (Report No. SERI/SP-751-1007).

*Food Questions and Answers: Environmental Issues, Production, Processing, Safety, Nutrition, Diet, Beverages, Drugs, Economic Issues, World Food Issues.* CAST Special Publication No. 7, June 1981. \$3.50. Available from CAST, 250 Memorial Union, Iowa State University, Ames, IA 50011.

*National Solar Energy Education Directory.* 3d ed. Solar Energy Information Data Bank, Solar Energy Research Institute, U.S. Department of Energy, 1981. \$8.00. Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402; or The National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. (Report No. SERI/SP-751-1007).

*Poultry Environmental Quality and Production.* Western Regional Research Project W-136. September 1980. Ft. Collins, CO., Colorado State University Experiment Station, 1981. \$3.00 plus \$.75 postage charges. Order from Colorado State University Bulletin Room, 171 Aylesworth, Fort Collins, CO 80523.

*Preserving Agricultural Land: Issues and Policy Alternatives.* CAST Report No. 90, July 1981. \$2.50. Available from CAST, 250 Memorial Union, Iowa State University, Ames, IA 50011.

*Proceedings of the National Work Conference on Microbial Collections of Major Importance to Agriculture.* \$5.00. Available from the Headquarters Office, American Phytopathological Society, 3340 Pilot Knob Road, St. Paul, MN 55121. 

*Reproductive Efficiency of Turkeys.* Western Regional Research Project W-142. Ft. Collins, CO., Colorado State University Experiment Station, 1981. \$2.25 plus \$.75 postage charges. Order from Colorado State University Bulletin Room, 171 Aylesworth, Fort Collins, CO 80523.

*Shaping Public Policy-The Educator's Role.* Verne House. Bozeman, Westridge, 1981. \$9.95. Order from publisher, P.O. Box 310, Bozeman, MT 59715.

*Sowing Forests from the Air.* Panel on Aerial Seeding, Advisory Committee on Technology Innovation, Board on Science and Technology for International Development; Commission on International Relations, National Research Council. (Washington, D.C., National Academy Press, 1981). 70 p. Free. Available from Board on Science and Technology for International Development, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.


*Testing for Effects of Chemicals on Ecosystems.* Committee to Review Methods for Ecotoxicology, Environmental Studies Board; Commission on Natural Resources, National Research Council. (Washington, D.C., National Academy Press, 1981). 118 p. \$8.00. ISBN 0-309-03142-7. Order from the publisher, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

*Weed Science Education in Europe, the Present Situation & Requirements for the Future.* Proceedings of a one-day symposium held in November 1980. European Weed Research Society. 32 p. No cost stated. Contact: G.H. Williams, EWRS Education Committee, WSA College, Auchincruive, Ayr KA6 5HW/U.K.



Clearances have been given to USDA authors to compile or publish the titles listed below. These titles have not been published as yet and therefore, are not available for distribution. Upon publication, they will be

cited in the "New Bibliographies" or "New Publications of Note" column of this publication.

*Gypsy Moth and Its Natural Enemies in the Orient.* For information contact Dr. Paul W. Schaefer, Research Entomologist, Beneficial Insects Research Laboratory, Agricultural Research, N.E. Region, 501 S. Chapel Street, Newark, DE 19713. 



## AGRICULTURAL TRANSLATIONS


This column is an alert to selected new receipts at NAL. They are available thru loan request (AD-245) to USDA personnel. Paid photoduplication to non-USDA persons is available (\$2/10 pages or fraction thereof per citation) Trans. No. and citation MUST be on request. Send to:

Lending Division  
National Agricultural Library  
U.S. Dept. of Agriculture  
Beltsville, MD 20705

Bohm, H.O., Krebs, H., and Kehrer, E. Pasteurization Tests with Milk After Contamination with Foot and Mouth Disease Virus. Translated from German: *Milchwissenschaft*, vol. 34(5): 253-256, 1979. Trans. No. 27495. TT 80-59325.

Carnero, R., Costes, Colette and Picard, Monique. African Swine Fever. Translated from French: *Bull de l'Academie veterinaire de France*, vol. 52(3): 391-400, 1979. Trans. No. 27503.

Kozlovsky, E.V., et al. Two-State Reaction of Immunofluorescence in Brucellosis of Cattle. Translated from Russian: *Veterinarya*, vol. 50(3): 107-108, 1978. Trans. No. 27519. TT 79-53127/11.

Meylan, P. Study of the Soil Moisture and Its Variation. Translated from French: *Ecole Polytechnique Federale de Lausanne, IGR*, 140:19, 1978. Trans. No. 27461. TT 79-59100/2. 





## AGRICULTURE DATEBOOK

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January 3-8: *American Association for the Advancement of Science.*

Washington, D.C. Washington Hilton-Mayflower. Contact: Show Manager, 1515 Broadway, New York, NY 10036.

January 17-21: *National Wheat Growers Association.* Washington, D.C.

Washington Hilton. Contact: Conv. Coord., 415 Second Street, N.E., #300, Washington, D.C. 20002.

February 2-4: *Weed Science Society of America.* Boston, MA., Park Plaza.

Contact: Claude J. Cruse, Exec. Sec., 309 West Clark Street, Champaign, IL 61820.

February 2-6: *International Conference on Chemistry and World Food Supplies--The New Frontier (CHEMRAWN II).*

Manila, Philippines. Contact: Joyce Torio, CHEMRAWN II Coordinating Office, International Food Policy Research Institute, 1776 Massachusetts Avenue, N.W., Washington, D.C. 20036.

February 8-12: *International Society for Human and Animal Mycology.* VIIIth Congress. Palmerston, NZ. Contact: Secretariat, Massey University, University of Extension, P.O. Box 63, Palmerston, New Zealand.

February 16-18: *Ninth Energy Technology Conference & Exposition.* Sheraton Washington Hotel, Washington, D.C. Contact: Martin Heavner, Mgr. Commun. 966 Hungerford Drive #24, Rockville, MD 20850.

March 1-3: *TAPPI (Technical Association of the Pulp and Paper Industry) National Meeting.*

Washington, D.C. Sheraton-Washington. Contact: Dr. Philip E. Nethercut, Exec. Dir., Dunwoody Park, Atlanta, GA 30341.

March 1-6: *State 4-H and Home Economics Leaders' Workshop.* Chevy Chase, MD.

National 4-H Center. Contact: Opal Mann or Eleanor Wilson, SEA/Extension, Room 5407, South Agriculture Building, Washington, D.C. 20250. Tel: (202) 447-2908.

March 10-14: *American Horticultural Society.* Spring Symposium. New Orleans, LA. Fairmont. Contact: Dorothy W. Sowerly, Mount Vernon, VA 22121.

May 1-October 31: *Energy Turns the World.* 1982's World Fair. Knoxville, TN. A number of seminars and professional meetings have been scheduled in Knoxville during that period.

May 23-29: *International Symposium on Dietary Fibre in Human and Animal Nutrition.* Palmerston, NZ. Contact: Secretariat, Massey University, P.O. Box 63, Palmerston, New Zealand.

June 13-19: *American Society of Plant Physiologists.* Champaign, IL. Contact Dr. G.R. Noggle, Acting Business Exec., 9650 Rockville Pike, Bethesda, MD 20014.

June 27-30: *American Dairy Science Association.* University Park, PA. Contact: C. Cruse, 309 W. Clark Street, Champaign, IL 61820.

July 4-7: *Agricultural Communicators Educational Conference.* Biloxi, MS. Broadwater Beach. Contact: Joseph J. Markes, 1-98 Agricultural Building, University of Missouri, Columbia, MO 65201.

August 1-4: *American Soybean Association.* Minneapolis, MN. Hyatt Regency. Contact: Ken R. Bader, Chief Exec. O., Box 27300, Craig Road, St. Louis, MO 63141.

August 2-4: *International Conference on Plant and Vegetable Oils as Fuels.* Fargo, ND. Sponsor: American Society of Agricultural Engineers. Contact: George L. Pratt, PE, Chairman, International Conference on Plant and Vegetable Oils as Fuels, Agricultural Engineering Department, North Dakota State University, Fargo, ND 58105.



August 8-13: *American Institute of Biological Sciences*. State College, PA. Penn. State University. Contact: Janet Barrett, Head, Mtgs. Department, 1401 Wilson Blvd., Arlington, VA 22201.

August 18-20: *Fourth International Conference on Resource-Conserving, Environmentally Sound Agricultural Alternatives*. Massachusetts Institute of Technology, Cambridge, MA. Sponsor-International Federation of Organic Agriculture Movements. Contact: William Lockeretz, School of Nutrition, Tufts University, Medford, MA 02155.


Sept.-Oct.: *U.S. Committee Irrigation Drainage Flood Control*. Vicksburg, MS. Contact: Larry D. Stephens, Exec. Sec., Box 15326, Denver, CO 80215.

Oct. 31-Nov. 4: *National Association of Extension 4-H Agents*. Baltimore, MD. Baltimore Hilton. Contact: Allen Ulrich, Sec., 1401 Wal'ter Avenue, Fremont, OH 43420.

November 7-12: *U.S. Animal Health Association*. Nashville, TN. Radisson Plaza. Contact: J.C. Shook, Exec. Sec., 6924 Lakeside Avenue, Suite 205, Richmond, VA 23228.

November 14-17: *North American Symposium on Allelopathy*. University of Illinois, Urbana-Champaign campus. Contact: A.R. Gilmore, Department of Forestry, c/o Carol Holden, University of Illinois, Conferences and Institutes, 116 Illini Hall, 725 S. Wright Street, Champaign, IL 61820.

December 6-10: *National Farmers Organization*. Louisville, KY. Contact: Devon R. Woodland, Pres., 720 Davis Avenue, Corning, IA 50841.

December 13-14: *Fourth National Drainage Symposium*. Contact: Darrell W. DeBoer, Program Chairman, Department of Agricultural Engineering, South Dakota State University, Brookings, SD 57007. Telephone: (605) 688-5141. 


## SYMPOSIUM ANNOUNCEMENT

### **Twentieth Century Agricultural Science: Discovery, Use, and Preservation**

A symposium on Twentieth Century Agricultural Science, sponsored by the Associates of National Agricultural Library, Inc., the Agricultural History Society, and others will be held at the National Agricultural Library, Beltsville, Maryland, on October 6-8, 1982. The program will focus upon the past, present, and future scientific achievements and review the growing importance of agricultural information to the world community.

The symposium will be interdisciplinary and will seek to provide an international forum at which policy and program leaders, scientists, economists, historians, agricultural librarians, farm journalists, radio and television producers, and others can present papers, commentaries, and engage in informative discussions.

Suggested overview topics of a more specialized nature include the following: USDA agricultural research, agribusiness, overseas scientific research, animal production, aquaculture, family farms, weather patterns, the daily flow of agricultural information, technology transfer, world telecommunication and information systems, resource sharing, agricultural data bases, preservation of agricultural information.

Anyone wishing to present a well-documented paper, deliver a commentary, and/or make suggestions concerning additional sponsors, potential papers, or the chairing of a session should *contact* the program coordinators: Dr. Alan Fusonie, National Agricultural Library, Room 301, Beltsville, MD 20705, telephone (301) 344-3876, or Ms. Leila Moran, National Agricultural Library, Room 408, Beltsville, MD 20705, telephone (301) 344-3937. 

## CAPITOL HILL LEGISLATION

- H. R. 1309 Amended to provide grants to 1890 land-grant colleges, including Tuskegee Institute, for purpose of assisting these institutions in purchase of equipment and land, and planning, construction, alteration, or renovation of buildings to strengthen their capacity of research in food and agricultural sciences. House passed July 13.
- H. R. 4055 Enables producers and importers of flowers and plants to establish, finance, and carry out a coordinated program of research, producer and consumer information, and promotion to improve, maintain, and develop markets for flowers and plants. Rep. Quillen (TN). To Committee on Agriculture. June 26.
- H. R. 4119 Making appropriations for Agriculture, Rural Development, and Related Agencies. Passed House July 27. Now in Senate awaiting Committee action.
- H. R. 4416 Enables Secretary of Agriculture to assist, on an emergency basis, in eradication of plant pests and contagious or infectious animal and poultry diseases. Passed by House September 9. Senate passed House version of bill September 11.
- H. R. 4475 Enables producers and supporters of flowers and plants to establish, finance, and carry out a coordinated program of research, producer and consumer information, and promotion to improve, maintain, and develop markets for flowers and plants. To Committee on Agriculture. September 15.
- H. R. 4564 Establishes a uniform Federal system for management, protection, and utilization of results of federally sponsored scientific and technological research and development; and to further the public interest of United States domestically and abroad; and for other related purposes. To Committees on Judiciary and Science and Technology. September 23.
- H. R. 4632 Provides land-grant status for College of Agriculture and Mechanic Arts of University of Puerto Rico. To Committee on Agriculture. September 30.
- S. 884 Agriculture and Food Act of 1981. Passed by Senate September 18. Bill is now being taken up in House. Part of Senate-passed version is an amendment by Sen. Heflin (AL) to provide grants to 1890 universities and Tuskegee Institute to help them in purchase of equipment and land, and planning, construction, alteration, or renovation of buildings for research. Amendment would authorize \$10 million for each fiscal year 1982-86, "such sums to remain available until expended."
- S. 1616 Enables producers and importers of flowers and plants to establish, finance, and carry out a coordinated program of research, producer and consumer information, and promotion to improve, maintain and develop markets for flowers and plants. To Committee on Agriculture, Nutrition, and Forestry. September 11.



FORESTRY LIBRARIANS AT THE INTERNATIONAL UNION OF FOREST RESEARCH ORGANIZATIONS XVII CONGRESS IN KYOTO, JAPAN, SEPTEMBER 6-12, 1981

A handful of forestry librarians managed to attend the IUFRO Congress in Kyoto, and seven of them presented invited papers. Dr. S. Schrader (Bundesforschungsanstalt fuer Forst- und Holzwirtschaft, Hamburg) presented an overview of contemporary documentation techniques at a plenary session. His paper was titled: "Forestry Research and Information - New Information Techniques and Systems Are a Challenge." At the sessions of Division 6.03.03, devoted to information systems and terminology, the following papers were presented: "The Work of the Commonwealth Forestry Bureau", W. Finlayson (Oxford); "Effective Use of On-line Literature Searching to Support Forestry", T. B. Yerke and Dennis Galvin (USDA); "Agricultural Information Services Related to Forestry and Forest Products Research in Japan", T. Sasaki (Tokyo); "Experience with On-line Searching of the Commonwealth Agricultural Bureaux Database", C. A. Elbourn (Oxford); "The Revision and Continued Use of...the Oxford System of Decimal Classification for Forestry", O. N. Blatchford (U.K.) and "New Uses for the Multi-lingual Forestry Terminology", R. K. Winters (USDA, ret.). These papers are published in the *Proceedings* of the Conference, Division (i.e., volume) 6, pages 17-30, 238-283. (NAL 99.9 In82).

While foresters went on organized post-congress tours, Elbourn, Schrader and myself were guided on an informal tour by Dr. Sasaki, who had functioned as our local contact person throughout the IUFRO Congress. In Tokyo we went out to Tsukuba Science City to visit the Forestry and Forest Products Research Institute and the Agricultural Forestry and Fisheries Research Information Center (which is the AGRIS input center for Japan). In Tokyo we toured the National Diet Library, the Japan Information Center of Science and

Technology, the Mazuren Scientific Information Service, and Dr. Sasaki's own library, that of the Agricultural Faculty of the University of Tokyo. The Japanese technical information centers are excellently equipped and have little to learn from us.

Most fascinating for me was to see how the Japanese handle the complexities of their ideographs and kana syllabaries with computer systems. Even the small, portable equivalent of our TI 700 type dial-up terminal, the NEC (Nippon Electric Co.), transmits and receives both in the kana syllabaries and also in the Roman, Greek and Cyrillic alphabets! It can also receive, but not transmit, some 2000 commonly used Chinese characters. Other, more complex terminals do the above and also send Chinese characters to central processing units.

After Tokyo, Schrader and I joined a largely German post-congress tour for four days in Korea. While the foresters toured poplars and hybrid pine plantations, we were hosted by the Institute of Forest Genetics at Suweon, which provided a chauffeured automobile and Dr. Don Koo Lee (PH.D., Iowa State). He took us up to Seoul, where we visited libraries and information centers which are counterparts of those we had seen in Japan. The Kwanak campus of the University of Seoul reminded me of some of the Southern California state university campuses, complete with smog and mountain back-drops remarkably resembling those around Los Angeles, though the climates are very different. The library of the Forest Genetics Institute recalled to mind that of the small library at Harvard Forest in Petersham. Form follows function. This was especially true at the sci-tech information centers, who receive their characteristic gestalt from the international similarity of computer technology. Our host, Don Lee, also knew where to find good Kim Chee, which was my real reason for visiting Korea.

Theodor B. Yerke, Deputy Leader  
IUFRO Section S 6.03





## NEW SERIALS RECEIVED AT NAL

*Contemporary Authors* (1981). Detroit, Gale Research Company. bi-m. Vol. 15, 1981- Z1224.C61

"The new series name and single-volume numbering system..serve to distinguish the New Revision Series from earlier revisions."

*Electrophoresis*. Weinheim, Germany, Verlag Chemie. bi-monthly (slightly irregular). Vol. 1, 1980- QD79.E44E44

*Feed Outlook and Situation*. Washington, D.C., U.S. Department of Agriculture, Economics, and Statistics Service. q. FdS-280, 1981- 1.941S8F323

Continues United States Department of Agriculture. Economics, Statistics, and Cooperatives Service. *Feed Situation*.

*Foreign Agriculture Circular*. Grains, Oilseeds, Livestock. Washington, D.C., U.S. Department of Agriculture, Foreign Agricultural Service. irr. Vol. 1, 1980- aHD9052.A1F6

*Fruit Outlook & Situation*. Washington, D.C., U.S. Department of Agriculture, Economics and Statistics Service. q. TFS-218, 1981- 1.9Ec752F TFS  
Continues United States Department of Agriculture. Economics, Statistics and Cooperatives Service. *Fruit Situation*.

*Indian Academy of Sciences. Proceedings. Animal Sciences*. Bangalore, The Academy. m. Vol. 89, 1980- QL1.148  
Continues in part *Indian Academy of Sciences. Proceedings. Section B*.

*Indian Academy of Sciences. Proceedings. Chemical Sciences*. Bangalore, The Academy. irr. Vol. 89, 1980- QD1.138

Continues in part *Indian Academy of Sciences. Proceedings. Section A*.

*Indian Academy of Sciences. Proceedings. Plant Sciences*. Bangalore, The Academy. m. Vol. 89, 1980- QK1.148  
Continues *Indian Academy of Sciences. Proceedings. Section B*.

*NA-FB/P*. Broomall, PA., U.S. Department of Agriculture Forest Service, Northeastern Area, State and Private Forestry. irr. No. 1, 1980- aSB763.N66N3

*Predicasts F & S Index International*. Cleveland, OH, Predicasts. monthly with quarterly cumulations. Vol. 13, 1980- HC106.6.A1F81  
Continues *F & S Index International*.

*Predicasts F & S Index Europe*. Cleveland, OH, Predicasts. m. Vol. 3, 1980- HC106.6A1F78  
Continues *F & S Index Europe*.

*Vegetable Outlook & Situation*. Washington, D.C., U.S. Department of Agriculture, Economics and Statistics Service. q. 219, 1981- 1.9Ec752F TVS  
Continues *Vegetable Situation*.

*Water Science and Technology: A Journal of the International Association on Water Pollution Research*. Oxford; New York, Pergamon Press. m. Vol. 13, 1981- TD420.A1P7  
Continues *Progress in Water Technology*.

**AGRICULTURAL LIBRARIES INFORMATION NOTES** provides a channel of communication to technical information specialists, librarians, extension workers, researchers, and scientists on agricultural information activities. It is published monthly by the U.S. Department of Agriculture, National Agricultural Library, Beltsville, MD 20705. Leila Moran, Editor.



